

**EXPRESS TERMS  
OF  
PROPOSED BUILDING STANDARDS  
OF THE  
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
REGARDING THE BUILDING STANDARDS ADMINISTRATIVE CODE  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1**

## ARTICLE 1 DEFINITIONS AND REQUIREMENTS

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**Section 1.3.1 Seismic Evaluation Submittal** - Hospital owners shall submit the seismic evaluation report to the Office by January 1, 2001. There are no provisions for submittal of the evaluation report after this date. The hospital owners shall submit the evaluation report in accordance with Section 7-113, "Application for Plan or Report Review " and Section 7-133, "Fees" of Article 3, Chapter 7, Part 1, Title 24.

- Exceptions:*
- 1. Any hospital facility owner whose building is exempted from the structural evaluation per Sections ~~2.1.1.7 or 2.1.1.8~~ 2.0.1.2 shall not be required to submit a structural evaluation report as specified in Section 1.3.3. In lieu of the structural evaluation report, hospital owners shall submit the matrix of construction information for the specified building(s) as noted in Section 1.3.4.6 to the Office by January 1, 2001;*
  - 2. Any hospital facility owner whose building is exempted from the nonstructural seismic evaluation per Sections ~~11.1.1.7~~ 11.0.1.2 shall not be required to submit a nonstructural evaluation report as specified in Section 1.3.4. In lieu of the nonstructural evaluation report, hospital owners shall submit the matrix of construction information for the specified building(s) as noted in Section 1.3.4.6 to the Office by January 1, 2001.*

**Section 1.4.5.1 Change in Seismic Performance Category** - The SPC or NPC for a hospital building may be changed by the Office from the initial determination in Sections 1.3.3 or 1.3.4 provided the building has been modified to comply with the requirements of Chapter 16AB, Part 2 of Title 24 for the specified SPC or NPC.

**Section 1.4.5.1.1** – The SPC or NPC for a hospital building may be changed by the Office from the initial determination made per Sections 2.0.1.2.3 or 11.0.1.2.1 upon the following:

1. A Seismic Evaluation Report shall be submitted and approved which shall include either or both of the following:
  - a. A structural evaluation report in accordance with Section 1.3.3;
  - b. A nonstructural evaluation report in accordance with Section 1.3.4.

Exception: To change an NPC 1 hospital building to an NPC 2 under this section, the nonstructural evaluation may be limited in scope to the systems and equipment specified in Section 11.2.1.
2. The building has been modified to comply with the requirements of Chapter 16B, Part 2 of Title 24 for the specified SPC or NPC.

# ARTICLE 2

## PROCEDURES FOR STRUCTURAL EVALUATION OF BUILDINGS

### 2.0 GENERAL

#### 2.0.1 STRUCTURAL EVALUATION PROCEDURE

1. The structural evaluation process shall include the following steps:
  1. Site visit and data collection;
  2. Identification of building type;
  3. Completion of evaluation statements in appendix;
  4. Follow-up field work, if required;
  5. Follow-up analysis for AFalse@ evaluation statements;
  6. Final evaluation for the building;
  7. Preparation of the evaluation report, and
  8. Submittal of evaluation report to OSHPD.
2. A general acute care hospital facility building may be exempted from a structural evaluation upon submittal of a written statement by the hospital owner to OSHPD certifying the following conditions:
  1. A conforming building as defined in Article 1, Section ~~4.04~~1.2, may be placed into SPC 5 in accordance with Table 2.5.3 under of the following circumstances:
    - a. The building was designed and constructed to the 1989 or later edition of Part 2, Title 24, and
    - b. If any portion of the structure, except for the penthouse, is of steel moment resisting frame constuction (Building Type 3, or Building Types 4 or 6 with dual lateral system, as defined in Section 2.2.3) and the building permit was issued after October 25, 1994.
  2. All other conforming buildings as defined in Article 1, Section ~~4.04~~1.2, may be placed into SPC 4 in accordance with Table 2.5.3, except those required by Section 4.2.10 to be placed in SPC 3 in accordance with Table 2.5.3, without the need for any structural evaluation.
  3. Nonconforming buildings as defined in Article 1, Section ~~4.04~~1.2, may be placed into SPC 1 in accordance with Table 2.5.3 without any structural evaluation.

*June 2000*

**ARTICLE 10**  
**EVALUATION OF ELEMENTS THAT ARE NOT PART OF**  
**THE LATERAL FORCE RESISTING SYSTEM**

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**10.1.5.2 WOOD/AGGREGATE PANELS:** There is no visible deterioration of screws or wood at panel attachment points.

The deficiency is in the strength of the connections. Determine the cause and extent of distress and check the attachment of the panels with appropriate reductions in capacity. Conforming buildings that fail this check shall be placed in SPC 2 4.

**ARTICLE 11**  
**EVALUATION OF CRITICAL NONSTRUCTURAL**  
**COMPONENTS AND SYSTEMS**

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**11.2 EVALUATION OF BUILDINGS**

Conforming and nonconforming buildings shall be placed in an NPC based upon the degree of anchorage and bracing for those systems and equipment specified in Table 11.1. Buildings which do not meet the requirements for NPC 2 as defined in Table 11.1 shall be placed in NPC 1.

**11.2.1. Procedures for NPC 2**

The following steps shall determine if the building meets the criteria for NPC 2:

**11.2.1.1 Scope of the Evaluation**

The anchorage and bracing of components and equipment for the following systems shall be evaluated for conformance with Part 2, Title 24:

- a) Communications systems;
- b) Emergency power supply systems;
- c) Bulk medical gas systems, and
- d) Fire alarm systems.
- e) Emergency lighting equipment and signs in the means of egress.

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**1645B.3.1.4** Any element not meeting the requirements of Sections 1645B.3.1.1, 1645B.3.1.2 or 1645B.3.1.3 shall be classified as non-ductile, with corresponding  $\beta$  value equal to or greater than that given in Table 16B-R-1, except where Section 1645B.2 allows use of another value. The Section 1645B.2.2 analysis shall consider at a minimum:

1. Reinforcing bar lap splice length, cover, and ties.
2. Pile-to-footing connection resistance to tension due to overturning moment. (Section 1644B.9.3, Part 2, Title 24, California Code of Regulations, ~~1995 Edition~~).
3. Footing flexural and shear capacity.
4. Column ties for both shear resistance and concrete confinement.
5. Positive Moment tension bar pullout or slab flexural failure. (Section 1646B.1.3.2)
6. Negative moment hook pullout.
7. Stirrups for both shear resistance and concrete confinement.
8. Non-continuous longitudinal steel leaving sections with weakness in flexural and shear resistance. (1994 UBC Section 1921.8.4.1)
9. Joint shear reinforcing and confinement.
10. Weak column-strong beam condition. (Section 1921B.4.2.2, Part 2, Title 24, California Code of Regulations, ~~1995 Edition~~ and 1645B.3.2 Exception 2).
11. Slab punching shear.
12. Short or captive column.
13. The shear capacity of columns.

#### **1645B.4 Masonry**

**1645B.4.1 Ductile or Code Complying:** *Any element in essential conformance with the seismic requirements of Chapter 21B, Sections 2106B.1.12.4 and 2108B.2.3.8, Part 2, Title 24, California Code of Regulations, ~~1995 Edition~~, may be classified as ductile and the  $\beta$  value taken as 1.0.*

*Exception: Any shear wall pier and spandrel element having height or clear span to depth ratios greater than two shall either comply with Section 2108B.2.6 (Wall Frames), Part 2, Title 24, California Code of Regulations, ~~1995 Edition~~, to be classified as ductile; otherwise, it shall be classified as a limited-ductile element with  $\beta = 2.5$  or greater.*